

B 4
Plasmid pUT18 (3023-bp) is a derivative of the high copy number vector pUC19 (expressing an ampicillin resistance selectable marker and compatible with pT25 or pKT25) that encodes the T18 fragment (amino acids 225 to 399 of CyaA). In a first step, we constructed plasmid pUC19L by inserting a 23-bp double-stranded oligonucleotide (5'-AATTCATCGATATAACTAAGTAA-3' (SEQ ID No.: 1)) and its complementary sequence) between the *EcoRI* and *NdeI* sites of pUC19. Then, a 534-bp fragment harboring the T18 open reading frame was amplified by PCR (using appropriate primers and pT18 as target DNA) and cloned into pUC19L digested by *EcoRI* and *ClaI* (the appropriate restriction sites were included into the PCR primers). In the resulting plasmid, pUT18, the T18 open reading frame is fused in frame downstream of the multicloning site of pUC19. This plasmid is designed to create chimeric proteins in which a heterologous polypeptide is fused to the N-terminal end of T18 (see map).

Please substitute the attached Sequence Listing (pages 1-4) for the pages of Sequence Listing originally filed.

IN THE DRAWINGS

Please amend Figure 2 and Figure 3.2 and replace Figure 3.1 with the Substitute Figure 3.1, submitted herewith, as indicated in the attached Request for Approval of Drawing Changes.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com